

**Surveyors Package**

**DHEC-OCRM**

**Daufuskie Island**

**December 6, 1999**

## **Introduction**

The 1990 Beachfront Management Act defines the method by which beachfront jurisdiction is established by the South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management (OCRM). The Beachfront Management Act requires that all shorelines be classified as inlet zones or standard zones. Inlet zones are further subdivided into stabilized inlet zones or unstabilized inlet zones.

In unstabilized inlet zones, the baseline is located at the most landward position of the shoreline in the past 40 years, unless the best available scientific and historical data of the inlet and adjacent beaches indicate that the shoreline is unlikely to return to its former position. In standard zones and stabilized inlet zones, the baseline is located at the crest of the primary oceanfront sand dune. If there is no primary dune, the baseline is established based on the volume of sand on the active beach profile at each survey monument.

The position of the setback line is determined by the local long-term erosion rate. In erosional areas, the setback line is located landward of the baseline a distance equal to 40 times the annual erosion rate. In stable or accretional areas, the setback line is located 20 feet landward of the baseline.

All original baselines and setback lines became final on July 3<sup>rd</sup>, 1991. The Beachfront Management Act calls for all lines to be revised between July 1998 and July 2000, and then once every eight to 10 years after each preceding revision. Once a line is adopted as final, it will not change unless OCRM moves it as the result of a successful legal appeal of the line position or following a successful beach renourishment project. The date on which the new lines for this particular area were adopted as final is listed on the front cover.

Section 48-39-330 of the Beachfront Management Act reads as follows:

Thirty days after the initial adoption by the Department of setback lines, a contract of sale or transfer of real property located in whole or in part seaward of the setback line or the jurisdictional line must contain a disclosure statement that the property is or may be affected by the setback line, baseline, and the seaward corners of all habitable structures referenced to the South Carolina State Plane Coordinate System (N.A.D.-1983) and include the local erosion rate most recently made available by the Department for that particular standard zone or inlet zone as applicable. Language reasonably calculated to call attention to the existence of baselines, setback lines, jurisdictional lines, and the seaward corners of all habitable structures and the erosion rate complies with this section. The provisions of this section are regulatory in nature and do not affect the legality of an instrument violating the provisions.

As a result, surveyors have been called upon to transfer the OCRM baseline and setback lines to individual plats and to locate these lines in the field. OCRM has undertaken several steps to facilitate this task, as described below.

## **Orthophotographs**

Orthophotographs, which are aerial photographs with the distortion removed at ground level, have been produced for all developed beaches in the state. These maps are to national map accuracy standards, and are depicted in the South Carolina State Plane Coordinate System (NAD 83). The maps are based on July 1993 photography, are at a scale of 1"=100', and have the beach lines drawn on them. Copies of these maps are available for review in the appropriate OCRM office and municipal or county office. Copies are available for sale at Duncan-Parnell, Inc., 3150 W. Montague Ave., North Charleston, SC, 29419, phone 843-747-6033.

## **Digitized Lines**

OCRM has digitized the location of the baseline and setback line for all islands where such lines have been established. These digital line coordinates are listed as northings and eastings in the South Carolina State Plane Coordinate System (NAD 83), in units of international feet. They are provided in order to avoid having different surveyors obtain slightly different results when digitizing or scaling off the orthophotographs. Appendix 1 gives the line coordinates for this area.

## **Beach Survey Monuments**

In 1987, OCRM installed a network of beach survey monuments along most of South Carolina's shoreline. Over time, additional monuments have been added to the network to replace ones that have been destroyed. In general, the replacement monument is along the same shore-perpendicular line as the original monument but farther landward. Replacement monuments are stamped with the letter "B" (or the letter "C" for a third-generation monument). For example, monument 4220 was replaced with 4220B. These monuments are located horizontally in the South Carolina State Plane Coordinate System (NAD 83), and are vertically referenced to 1929 NGVD. Description sheets for all monuments in this are given in Appendix 2. In some cases, the monument's coordinates are given in meters. To convert to international feet, divide by 0.3048.

## **Local Erosion Rates**

OCRM has conducted studies of the long-term erosion rates at all survey monument locations. These rates were used to establish the location of the setback line, and must also be given on individual plats. In erosional areas the exact rate was determined. In stable or accretional areas no specific number was determined, and the shoreline is officially classified as "stable to accretional" or S/A. Local erosion rates for the area covered by this report are given in Appendix 3.

## **Plat Review Requirements**

In order to receive a permit from OCRM for many activities seaward of the setback line, the applicant must submit a plat in state plane coordinates with specific information shown on it. The following is a list of the required information:

1. Monuments used to reference the survey.
2. Line coordinates used to establish the baseline and setback line.
3. Coordinates of the property corners.
4. Coordinates of the corners of any habitable structures on the property.
5. Distance between the seaward structure corners and the baseline and setback line.
6. Footprint of all structures on the property.
7. Location of the crest and trough of the primary oceanfront sand dune.
8. Local erosion rate.

## **Appendix 1**

### **Line Coordinates**

This appendix contains a listing of OCRM baseline and setback line coordinates, given as northings and eastings in international feet referenced to the South Carolina State Plane Coordinate System (NAD 83). Coordinates are listed as one continuous line that begins at one end of the island or beach and extends to the other. There are separate listings for the baseline and the setback line.

DHEC-OCRM BASELINE COORDINATES  
DAUFUSKIE ISLAND  
VALID AS OF 12/06/99  
STATE-PLANE COORDINATE SYSTEM, NAD 1983  
INTERNATIONAL FEET

NORTHING	EASTING
91020.29	2038196.33
91026.36	2038183.25
91015.93	2038147.59
90995.53	2038145.72
90971.08	2038143.39
90952.55	2038141.52
90906.77	2038144.48
90896.49	2038145.10
90848.84	2038148.53
90816.29	2038150.86
90764.83	2038154.80
90723.71	2038157.96
90686.04	2038161.88
90658.99	2038164.99
90635.24	2038167.72
90600.39	2038165.97
90563.80	2038165.19
90556.40	2038185.63
90551.54	2038198.86
90527.98	2038228.64
90508.13	2038266.60
90496.64	2038287.82
90483.21	2038307.48
90464.72	2038333.95
90458.69	2038348.75
90450.12	2038367.82
90423.46	2038405.78
90409.83	2038438.29
90400.49	2038460.28
90401.07	2038478.00
90402.24	2038518.48
90409.44	2038565.78
90416.84	2038598.87
90422.87	2038625.93
90432.41	2038670.12
90441.56	2038716.64
90446.03	2038737.27
90460.44	2038805.79
90451.68	2038872.75
90462.58	2038920.64
90472.70	2038974.36
90474.26	2038984.09
90485.55	2039021.86
90488.47	2039031.98
90508.32	2039066.82
90524.29	2039094.07
90536.74	2039104.97
90541.41	2039114.12
90543.75	2039124.05
90545.50	2039127.16

**Daufuskie Island Baseline**

90551.54	2039131.06
90556.40	2039134.56
90567.69	2039141.18
90578.20	2039148.77
90590.86	2039156.17
90607.99	2039170.18
90616.36	2039178.75
90624.73	2039188.87
90630.37	2039197.63
90638.55	2039206.19
90648.08	2039211.25
90651.98	2039216.51
90653.34	2039219.82
90662.49	2039230.13
90676.89	2039245.51
90684.10	2039255.05
90690.91	2039261.28
90698.31	2039262.84
90703.95	2039264.98
90720.30	2039279.77
90736.46	2039295.54
90750.86	2039307.41
90755.14	2039311.30
90760.98	2039315.78
90769.55	2039321.62
90780.64	2039329.02
90785.32	2039336.03
90789.99	2039346.15
90790.57	2039349.26
90796.22	2039351.01
90806.73	2039356.85
90820.74	2039366.39
90837.87	2039377.49
90847.02	2039384.30
90856.36	2039391.11
90866.68	2039397.73
90879.53	2039407.85
90902.50	2039426.34
90910.67	2039433.94
90920.40	2039440.17
90935.00	2039450.68
90940.06	2039455.35
90950.19	2039461.97
90956.80	2039464.89
90973.74	2039472.28
90998.85	2039489.80
91010.53	2039502.84
91017.15	2039511.80
91022.60	2039519.97
91027.27	2039529.51
91029.41	2039532.82
91036.22	2039539.05
91044.20	2039542.94
91048.29	2039542.94
91054.91	2039545.28
91063.28	2039548.78
91079.05	2039560.66

**Daufuskie Island Baseline**

91085.28	2039566.69
91094.62	2039573.31
91099.87	2039576.03
91106.69	2039576.03
91113.89	2039578.37
91118.56	2039580.51
91126.35	2039583.24
91130.24	2039583.82
91138.81	2039589.07
91147.18	2039592.58
91152.43	2039597.44
91158.27	2039601.73
91161.58	2039604.84
91171.70	2039610.88
91189.03	2039621.39
91194.67	2039624.89
91209.85	2039632.29
91216.28	2039637.74
91227.18	2039646.50
91230.10	2039649.03
91241.97	2039656.23
91248.78	2039659.93
91260.46	2039666.16
91270.59	2039671.61
91274.67	2039674.33
91278.18	2039676.47
91288.69	2039684.84
91300.37	2039689.13
91304.26	2039691.85
91313.41	2039696.13
91322.95	2039703.34
91328.01	2039707.42
91334.43	2039711.71
91340.08	2039714.63
91348.06	2039718.13
91357.40	2039725.72
91367.91	2039731.76
91379.01	2039739.74
91396.33	2039749.66
91406.65	2039756.28
91418.33	2039764.07
91431.76	2039773.22
91436.62	2039776.14
91449.47	2039781.98
91465.63	2039795.21
91471.47	2039797.35
91481.98	2039803.00
91502.03	2039814.87
91516.24	2039824.60
91523.24	2039829.86
91528.89	2039833.36
91536.48	2039838.23
91541.54	2039840.96
91546.41	2039846.02
91550.11	2039848.16
91564.12	2039855.36
91572.30	2039860.23

**Daufuskie Island Baseline**

91582.61	2039865.87
91589.04	2039868.99
91598.77	2039875.80
91607.33	2039879.11
91616.29	2039885.14
91623.88	2039889.62
91632.06	2039894.10
91648.60	2039902.47
91662.03	2039910.45
91675.85	2039920.57
91690.84	2039930.11
91702.71	2039940.62
91712.45	2039947.43
91727.24	2039957.94
91733.47	2039961.25
91746.51	2039967.87
91757.61	2039975.27
91770.06	2039985.00
91782.13	2039994.93
91793.62	2040004.85
91798.68	2040007.77
91804.52	2040011.28
91812.11	2040014.20
91817.37	2040016.14
91824.57	2040020.62
91837.22	2040028.60
91842.28	2040030.74
91850.07	2040034.44
91858.63	2040038.14
91879.27	2040047.29
91888.41	2040051.57
91898.54	2040057.02
91910.60	2040063.44
91924.62	2040070.45
91970.75	2040094.59
91991.19	2040106.07
92005.79	2040113.86
92044.14	2040134.30
92050.17	2040137.41
92083.46	2040160.58
92093.97	2040167.78
92104.09	2040173.81
92121.61	2040184.32
92132.12	2040190.55
92142.05	2040196.78
92162.68	2040210.02
92186.43	2040225.20
92199.66	2040233.57
92213.29	2040241.75
92222.63	2040247.59
92238.01	2040257.12
92255.33	2040268.41
92280.06	2040284.18
92294.85	2040293.72
92309.64	2040303.45
92320.93	2040311.24
92335.14	2040320.58

**Daufuskie Island Baseline**

92345.26	2040328.56
92360.64	2040340.24
92364.92	2040343.55
92385.75	2040356.59
92399.57	2040365.35
92412.23	2040372.75
92417.29	2040375.86
92427.02	2040381.51
92432.66	2040385.01
92443.76	2040392.21
92456.22	2040400.58
92473.15	2040411.68
92488.53	2040421.80
92500.01	2040429.39
92512.86	2040437.96
92523.76	2040445.16
92536.61	2040454.31
92545.37	2040460.73
92554.71	2040467.35
92566.20	2040475.52
92577.49	2040485.26
92585.47	2040492.07
92597.73	2040502.58
92614.08	2040516.60
92623.62	2040523.60
92633.16	2040530.81
92647.56	2040541.12
92658.85	2040549.69
92672.87	2040559.81
92676.76	2040561.76
92688.05	2040566.62
92698.75	2040571.68
92709.46	2040576.55
92725.62	2040583.56
92738.46	2040591.15
92760.85	2040604.58
92779.54	2040615.87
92790.05	2040623.27
92815.74	2040640.79
92827.81	2040649.35
92841.82	2040659.67
92858.56	2040672.12
92867.13	2040678.55
92878.22	2040686.53
92883.87	2040690.81
92900.22	2040701.52
92908.79	2040706.97
92928.25	2040719.62
92948.69	2040732.27
92959.01	2040738.50
92971.66	2040746.09
92988.59	2040758.36
93005.33	2040770.42
93017.40	2040778.99
93044.07	2040798.06
93052.83	2040804.29
93070.35	2040816.75

**Daufuskie Island Baseline**

93093.32	2040833.30
93113.17	2040847.70
93130.11	2040859.77
93140.42	2040867.17
93155.99	2040877.48
93176.43	2040891.30
93191.03	2040901.23
93201.54	2040909.02
93222.37	2040923.81
93236.97	2040934.32
93241.84	2040937.83
93255.07	2040945.61
93270.45	2040954.96
93290.31	2040966.83
93308.60	2040977.73
93328.26	2040990.58
93334.69	2040994.86
93342.28	2041000.11
93361.74	2041012.77
93372.64	2041020.16
93390.75	2041032.04
93404.96	2041041.77
93419.36	2041051.31
93429.09	2041057.93
93434.35	2041061.62
93441.75	2041066.49
93456.73	2041076.03
93467.05	2041082.65
93481.45	2041091.41
93497.42	2041102.89
93507.15	2041109.31
93515.71	2041115.54
93530.12	2041124.50
93546.27	2041134.62
93561.07	2041144.16
93580.14	2041156.03
93595.33	2041165.96
93617.52	2041180.17
93632.31	2041190.29
93642.08	2041196.58
93655.21	2041204.51
93668.68	2041212.57
93677.58	2041217.80
93688.42	2041224.38
93696.36	2041230.96
93710.10	2041241.80
93714.75	2041245.48
93742.04	2041261.55
93747.85	2041269.29
93754.11	2041276.53
93762.88	2041287.72
93776.19	2041299.82
93783.14	2041306.48
93814.00	2041325.84
93840.01	2041338.84
93868.44	2041353.66
93893.73	2041366.40

Daufuskie Island Baseline

93918.65	2041384.06
93930.99	2041392.77
93946.48	2041402.21
93957.85	2041409.47
93974.55	2041418.91
93992.22	2041429.31
94012.30	2041440.93
94024.88	2041448.43
94052.47	2041464.40
94065.78	2041476.74
94075.22	2041485.45
94080.05	2041489.81
94094.82	2041505.54
94106.43	2041518.84
94119.01	2041527.80
94130.87	2041536.75
94155.07	2041549.09
94181.44	2041555.63
94199.59	2041572.81
94231.53	2041601.84
94257.18	2041614.67
94278.72	2041619.75
94294.93	2041628.46
94307.03	2041634.51
94330.99	2041649.76
94346.23	2041663.31
94375.27	2041689.20
94378.66	2041692.10
94393.90	2041702.99
94415.92	2041719.45
94419.55	2041721.87
94443.03	2041733.97
94467.47	2041746.79
94487.55	2041757.20
94509.57	2041775.10
94523.85	2041786.48
94537.40	2041795.67
94547.08	2041802.93
94558.93	2041811.16
94581.44	2041829.31
94598.38	2041842.86
94640.97	2041863.43
94659.84	2041876.01
94673.63	2041884.96
94685.49	2041894.40
94706.06	2041909.89
94715.25	2041916.90
94736.55	2041930.94
94760.50	2041946.91
94781.32	2041959.98
94817.85	2041985.14
94852.94	2042008.37
94876.66	2042023.37
94898.68	2042040.31
94910.53	2042049.51
94921.66	2042057.49
94932.07	2042064.27

**Daufuskie Island Baseline**

94951.67	2042077.82
94992.32	2042094.03
95002.73	2042102.50
95024.26	2042119.20
95042.41	2042133.72
95059.59	2042147.99
95093.71	2042171.71
95116.22	2042191.07
95136.30	2042208.01
95153.97	2042221.31
95162.68	2042228.33
95181.31	2042242.37
95200.67	2042256.64
95224.62	2042273.58
95253.18	2042291.49
95273.99	2042305.28
95284.15	2042311.82
95301.82	2042323.67
95328.19	2042341.34
95344.40	2042352.47
95358.92	2042362.39
95386.99	2042387.07
95399.58	2042397.72
95406.59	2042402.07
95417.48	2042410.06
95432.73	2042420.71
95447.97	2042427.48
95471.20	2042437.40
95495.40	2042449.02
95519.60	2042460.63
95529.28	2042468.86
95547.43	2042483.86
95556.86	2042491.12
95575.25	2042507.34
95598.48	2042517.98
95608.16	2042528.15
95619.05	2042539.04
95642.28	2042559.36
95665.27	2042578.24
95689.47	2042597.84
95713.18	2042619.86
95735.93	2042640.91
95757.95	2042657.36
95764.97	2042662.93
95782.15	2042675.75
95817.72	2042696.57
95841.92	2042710.36
95869.02	2042728.75
95902.41	2042751.49
95925.16	2042767.47
95948.87	2042784.16
95970.41	2042800.86
95997.27	2042821.43
96013.00	2042834.49
96038.40	2042856.03
96075.91	2042878.29
96091.16	2042887.73

**Daufuskie Island Baseline**

96102.53	2042895.96
96123.82	2042911.20
96133.26	2042917.98
96149.72	2042931.29
96181.90	2042956.45
96206.58	2042977.02
96223.76	2042991.30
96248.44	2043008.72
96264.90	2043020.82
96275.79	2043028.08
96306.76	2043048.16
96345.24	2043072.60
96361.45	2043083.98
96368.47	2043088.57
96379.36	2043095.83
96398.23	2043108.90
96411.30	2043119.55
96433.08	2043135.76
96445.90	2043145.92
96473.97	2043169.88
96488.73	2043182.46
96494.54	2043187.30
96504.70	2043196.26
96536.89	2043224.81
96573.91	2043250.22
96587.70	2043259.41
96613.11	2043280.22
96621.38	2043286.78
96636.05	2043299.11
96660.40	2043312.90
96681.53	2043324.92
96721.72	2043340.77
96730.52	2043343.99
96767.49	2043368.35
96792.72	2043385.36
96826.17	2043415.00
96847.76	2043433.74
96870.18	2043449.62
96887.43	2043462.85
96905.97	2043487.49
96916.77	2043502.04
96931.32	2043518.94
96947.52	2043538.19
96963.71	2043558.84
96983.66	2043584.43
96994.46	2043598.51
97003.14	2043605.08
97018.16	2043617.05
97036.24	2043630.90
97046.80	2043639.59
97062.06	2043649.44
97072.15	2043655.78
97091.63	2043668.69
97111.11	2043681.60
97131.53	2043695.45
97162.04	2043725.02
97182.46	2043745.91

**Daufuskie Island Baseline**

97197.25	2043761.17
97216.50	2043774.31
97243.72	2043792.38
97250.53	2043797.08
97274.94	2043815.62
97290.67	2043827.59
97304.28	2043838.39
97319.30	2043850.59
97331.97	2043860.45
97341.36	2043868.20
97361.55	2043882.75
97383.14	2043898.47
97403.09	2043915.84
97414.12	2043925.23
97419.52	2043929.46
97449.57	2043950.81
97486.89	2044001.28
97498.62	2044005.50
97507.77	2043999.17
97528.90	2044001.28
97548.85	2044016.30
97557.30	2044036.48
97577.48	2044051.98
97619.97	2044062.77
97633.82	2044072.40
97646.83	2044090.97
97649.34	2044093.71
97654.83	2044099.65
97666.52	2044112.35
97676.67	2044127.64
97680.91	2044134.01
97695.42	2044150.54
97699.66	2044155.12
97717.42	2044179.57
97729.25	2044195.76
97738.07	2044207.70
97752.70	2044224.56
97767.21	2044232.38
97773.69	2044236.06
97781.95	2044240.64
97795.46	2044249.46
97810.42	2044258.95
97827.06	2044266.65
97835.29	2044270.54
97844.85	2044274.98
97854.86	2044279.88
97881.76	2044294.55
97908.00	2044315.67
97925.34	2044340.13
97946.02	2044357.03
97972.03	2044379.26
97982.48	2044388.38
97997.15	2044402.38
98012.49	2044417.06
98022.94	2044427.06
98051.18	2044443.29
98076.53	2044463.08

**Daufuskie Island Baseline**

98085.20	2044486.87
98109.43	2044502.21
98117.21	2044510.88
98129.89	2044524.44
98151.01	2044539.79
98173.69	2044557.80
98204.59	2044578.03
98215.04	2044593.15
98223.27	2044604.26
98228.38	2044609.38
98237.94	2044619.16
98249.82	2044631.44
98270.66	2044656.61
98288.89	2044688.73
98304.51	2044709.56
98308.85	2044733.87
98271.53	2044755.25
98256.54	2044765.10
98255.26	2044785.66
98250.55	2044801.94
98244.55	2044812.65
98195.72	2044846.91
98200.01	2044891.46
98206.00	2044922.72
98210.29	2044945.85
98215.85	2044970.69
98221.85	2044989.97
98227.85	2045000.68
98272.84	2045063.58
98309.83	2045099.83
98346.46	2045136.83
98375.32	2045180.12
98385.31	2045195.29
98445.43	2045288.08
98518.05	2045369.25
98545.23	2045392.59
98594.49	2045421.71
98614.62	2045432.85
98639.03	2045470.54
98656.16	2045493.24
98676.29	2045515.51
98698.14	2045539.93
98764.96	2045617.45
98795.37	2045653.43
98827.92	2045684.27
98867.32	2045717.68
98887.45	2045739.52
98908.44	2045765.22
98929.43	2045793.06
98958.55	2045832.47
98988.79	2045866.15
99020.04	2045893.06
99056.49	2045925.18
99081.67	2045950.35
99109.45	2045983.34
99137.22	2046012.85
99178.89	2046045.84

**Daufuskie Island Baseline**

99212.74	2046080.56
99244.86	2046110.94
99265.70	2046140.46
99344.69	2046197.75
99372.47	2046195.14
99432.36	2046235.94
99453.20	2046261.12
99476.63	2046291.50
99492.26	2046301.92
99529.58	2046315.80
99567.78	2046339.24
99583.40	2046360.07
99606.84	2046406.08
99624.20	2046439.94
99635.49	2046451.22
99706.67	2046485.94
99729.24	2046503.30
99757.88	2046526.74
99790.00	2046553.65
99834.27	2046583.17
99857.71	2046597.92
99877.67	2046617.02
99895.90	2046630.04
99967.08	2046667.37
99983.58	2046673.44
100008.75	2046671.71
100040.87	2046671.71
100086.88	2046700.35
100110.31	2046721.19
100173.68	2046744.62
100187.57	2046754.17
100211.88	2046781.08
100241.39	2046803.65
100251.81	2046818.41
100275.24	2046864.42
100287.40	2046882.64
100306.49	2046896.53
100338.61	2046913.03
100365.52	2046943.41
100381.15	2046976.39
100389.83	2047011.12
100395.04	2047046.71
100395.90	2047080.56
100404.58	2047105.73
100424.55	2047123.10
100459.27	2047122.23
100513.96	2047118.76
100540.00	2047110.07
100577.33	2047097.05
100614.65	2047088.37
100643.30	2047080.56
100679.76	2047075.35
100712.74	2047079.69
100742.26	2047084.90
100777.85	2047097.05
100816.04	2047111.81
100852.50	2047121.36

**Daufuskie Island Baseline**

100896.77	2047132.64
100946.25	2047146.53
100974.90	2047160.42
101013.09	2047183.86
101043.47	2047202.09
101077.33	2047216.85
101117.26	2047232.47
101150.24	2047248.10
101268.30	2047307.12
101280.45	2047309.73
101350.76	2047318.41
101389.83	2047325.35
101428.89	2047339.24
101466.22	2047359.21
101495.73	2047374.83
101531.32	2047390.46
101572.12	2047411.29
101612.92	2047432.12
101671.95	2047459.90
101720.56	2047485.07
101750.07	2047505.04
101790.00	2047526.74
101808.23	2047542.37
101837.74	2047560.60
101875.94	2047581.43
101926.29	2047610.07
101974.03	2047635.25
102011.35	2047656.95
102046.95	2047678.65
102079.93	2047701.22
102108.58	2047720.32
102130.28	2047730.73
102167.60	2047753.30
102197.12	2047772.40
102234.45	2047793.23
102271.77	2047816.67
102304.76	2047835.77
102344.69	2047860.94
102388.09	2047888.72
102421.95	2047912.16
102460.14	2047932.99
102492.26	2047946.88
102526.11	2047963.37
102566.04	2047985.94
102599.03	2048002.44
102638.09	2048031.08
102686.70	2048058.86
102718.82	2048082.30
102764.83	2048109.21
102791.74	2048125.70
102816.91	2048150.01
102839.48	2048165.63
102849.03	2048170.84
102856.84	2048167.37
102876.81	2048174.31
102902.85	2048192.54
102954.93	2048228.13

Daufuskie Island Baseline

103000.07	2048261.12
103044.34	2048294.97
103087.74	2048328.82
103125.94	2048360.07
103169.34	2048396.53
103224.03	2048438.20
103277.85	2048480.73
103319.51	2048512.85
103368.13	2048551.05
103404.58	2048584.90
103432.36	2048608.34
103481.84	2048651.74
103544.34	2048706.43
103598.16	2048754.17
103637.22	2048787.16
103688.44	2048829.69
103763.77	2048895.45
103839.11	2048961.22
103845.56	2048966.85
103861.18	2048973.79
103887.22	2048978.13
103905.45	2048985.94
103917.60	2048993.76
103925.42	2049013.72
103955.80	2049038.89
103979.24	2049073.62
104007.88	2049094.45
104034.79	2049105.73
104056.49	2049123.10
104082.54	2049143.06
104105.10	2049160.42
104129.41	2049167.37
104141.53	2049170.47
104169.90	2049178.02
104176.67	2049179.58
104188.90	2049185.30
104205.97	2049193.19
104227.00	2049202.76
104240.32	2049209.63
104262.81	2049221.71
104270.93	2049225.87
104281.54	2049233.99
104290.50	2049241.49
104300.28	2049245.24
104308.82	2049246.49
104315.90	2049245.03
104320.27	2049243.78
104329.64	2049228.58
104339.84	2049212.13
104345.46	2049202.97
104349.62	2049183.40
104353.79	2049163.00
104358.58	2049141.14
104362.11	2049126.98
104366.90	2049108.24
104370.23	2049094.30
104367.74	2049060.78

END

DHEC-OCRM SETBACK LINE COORDINATES  
DAUFUSKIE ISLAND  
VALID AS OF 12/06/99  
STATE-PLANE COORDINATE SYSTEM, NAD 1983  
INTERNATIONAL FEET

NORTHING	EASTING
91007.11	2038189.55
91003.92	2038164.18
90904.94	2038178.42
90805.96	2038192.66
90706.98	2038206.90
90608.00	2038221.14
90602.39	2038221.95
90576.58	2038254.69
90595.29	2038361.57
90615.60	2038419.31
90625.76	2038459.40
90636.45	2038488.80
90652.46	2038515.40
90691.88	2038624.55
90726.33	2038718.43
90748.51	2038778.88
90805.93	2038902.77
90866.27	2038982.52
90923.33	2039057.94
90995.13	2039127.55
91057.94	2039188.44
91129.52	2039258.27
91201.09	2039328.11
91227.03	2039353.41
91309.42	2039410.08
91391.81	2039466.76
91474.20	2039523.43
91497.90	2039539.73
91579.64	2039597.34
91661.37	2039654.96
91743.11	2039712.57
91824.84	2039770.18
91906.58	2039827.80
91988.31	2039885.41
91998.58	2039892.65
92081.66	2039948.31
92164.74	2040003.96
92247.82	2040059.62
92330.90	2040115.28
92413.98	2040170.93
92497.06	2040226.59
92503.94	2040231.20
92586.26	2040287.98
92668.58	2040344.75
92750.90	2040401.53
92833.22	2040458.30
92915.54	2040515.08
92997.86	2040571.85
93080.18	2040628.63
93121.14	2040656.88

**Daufuskie Island Setback Line**

93203.97	2040712.91
93286.79	2040768.94
93369.62	2040824.98
93452.45	2040881.01
93535.28	2040937.04
93618.10	2040993.07
93700.93	2041049.11
93755.29	2041085.88
93838.23	2041141.75
93921.16	2041197.62
94004.10	2041253.49
94087.04	2041309.36
94126.45	2041335.91
94211.01	2041389.30
94295.56	2041442.69
94380.12	2041496.07
94464.68	2041549.46
94502.94	2041573.62
94586.45	2041628.63
94669.97	2041683.63
94753.48	2041738.64
94836.99	2041793.64
94920.50	2041848.65
94928.22	2041853.73
95012.95	2041906.84
95097.69	2041959.94
95182.42	2042013.05
95267.15	2042066.15
95351.89	2042119.26
95358.61	2042123.47
95443.41	2042176.47
95528.21	2042229.48
95613.00	2042282.48
95697.80	2042335.48
95782.60	2042388.49
95867.40	2042441.49
95952.19	2042494.50
96036.99	2042547.50
96121.79	2042600.50
96206.59	2042653.51
96291.38	2042706.51
96376.18	2042759.51
96460.98	2042812.52
96545.78	2042865.52
96630.57	2042918.52
96674.37	2042945.90
96757.23	2043001.88
96840.10	2043057.85
96922.96	2043113.83
97005.83	2043169.81
97088.69	2043225.79
97171.56	2043281.76
97254.42	2043337.74
97337.29	2043393.72
97420.15	2043449.69
97503.02	2043505.67
97585.88	2043561.65

**Daufuskie Island Setback Line**

97668.75	2043617.62
97751.61	2043673.60
97834.48	2043729.58
97917.34	2043785.56
97922.19	2043788.83
97996.73	2043855.49
98071.27	2043922.15
98145.82	2043988.81
98220.36	2044055.47
98294.90	2044122.13
98369.44	2044188.79
98443.98	2044255.45
98448.00	2044259.04
98503.42	2044342.28
98558.84	2044425.51
98614.27	2044508.75
98669.69	2044591.99
98725.11	2044675.23
98780.53	2044758.46
98835.95	2044841.70
98891.37	2044924.94
98946.80	2045008.18
99002.22	2045091.41
99057.64	2045174.65
99113.06	2045257.89
99168.48	2045341.12
99223.90	2045424.36
99279.33	2045507.60
99329.31	2045582.67
99402.51	2045650.80
99475.72	2045718.92
99548.92	2045787.05
99622.13	2045855.17
99695.33	2045923.30
99768.53	2045991.43
99841.74	2046059.55
99914.94	2046127.68
99988.15	2046195.80
100022.84	2046228.09
100100.61	2046290.96
100178.37	2046353.83
100256.14	2046416.70
100333.90	2046479.57
100411.67	2046542.44
100489.43	2046605.31
100567.20	2046668.18
100644.96	2046731.05
100661.13	2046744.12
100753.96	2046781.31
100846.79	2046818.49
100939.62	2046855.68
101032.44	2046892.87
101125.27	2046930.06
101218.10	2046967.24
101310.93	2047004.43
101403.76	2047041.62
101496.59	2047078.80

**Daufuskie Island Setback Line**

101589.41	2047115.99
101682.24	2047153.18
101734.07	2047173.94
101815.99	2047231.29
101897.91	2047288.65
101979.83	2047346.00
102061.74	2047403.35
102143.66	2047460.70
102225.58	2047518.06
102307.50	2047575.41
102389.42	2047632.76
102471.34	2047690.12
102546.66	2047742.85
102624.64	2047805.46
102702.61	2047868.07
102780.59	2047930.68
102858.56	2047993.29
102936.54	2048055.90
103014.51	2048118.50
103092.49	2048181.11
103170.46	2048243.72
103248.44	2048306.33
103326.41	2048368.94
103358.94	2048395.06
103430.18	2048465.24
103501.42	2048535.41
103572.67	2048605.59
103643.91	2048675.76
103715.15	2048745.94
103786.39	2048816.11
103857.63	2048886.29
103928.88	2048956.46
104000.12	2049026.64
104071.36	2049096.81
104081.01	2049106.32
104169.99	2049151.95
104258.98	2049197.58
104279.53	2049208.12
104306.39	2049227.53
104325.74	2049197.25
104349.29	2049094.64
104348.45	2049065.20

END

**Appendix 2**  
**Monument Descriptions**

This appendix contains descriptions of all OCRM beach survey monuments in the area.

OFFICE OF OCEAN & COASTAL RESOURCE MANAGEMENT

CONTROL SURVEYS

THIRD-ORDER, CLASS I HORIZONTAL    THIRD-ORDER VERTICAL

PROJECT: OCRM BEACH MONITORING BASELINE STATION NO: 1220 B

STATE: SOUTH CAROLINA COUNTY BEAUFORT

NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE: 0°04'28.1" SCALE FACTOR: 1.00016813

NORTHING: 94487.07 (FT) EASTING: 2041608.09 (FT)

LATITUDE: 32° 05' 34.517" LONGITUDE 80° 51' 56.428"

ELEVATION (NGVD 29) 7.16 DATE: NOVEMBER, 1998

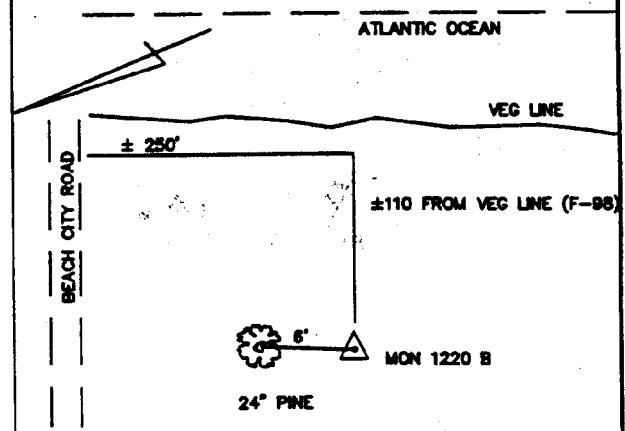
OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
MON A	36° 06' 02.09"	N 36° 01' 34" E	1000.47 (FT)
MON C	216° 53' 44.09"	S 36° 49' 16" W	906.20 (FT)

DESCRIPTION:

LOCATED ON DAUFAUSKIE ISLAND. TO REACH FROM BEACH CITY ROAD FOLLOW BEACH IN SW DIRECTION  $\pm 250'$ . STATION IS ON THE RIGHT IN THE WOODS 6' SOUTHWEST OF A 24" PINE WITH A SINGLE HACK FACING THE MON.

A STANDARD BRASS CAP FIXED ON 2" PVC PIPE SET INSIDE OF 8" PVC PIPE SURROUNDED BY CONCRETE, AND LEVEL WITH THE GROUND SURFACE.

STAMPED 1220 B      1998



**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

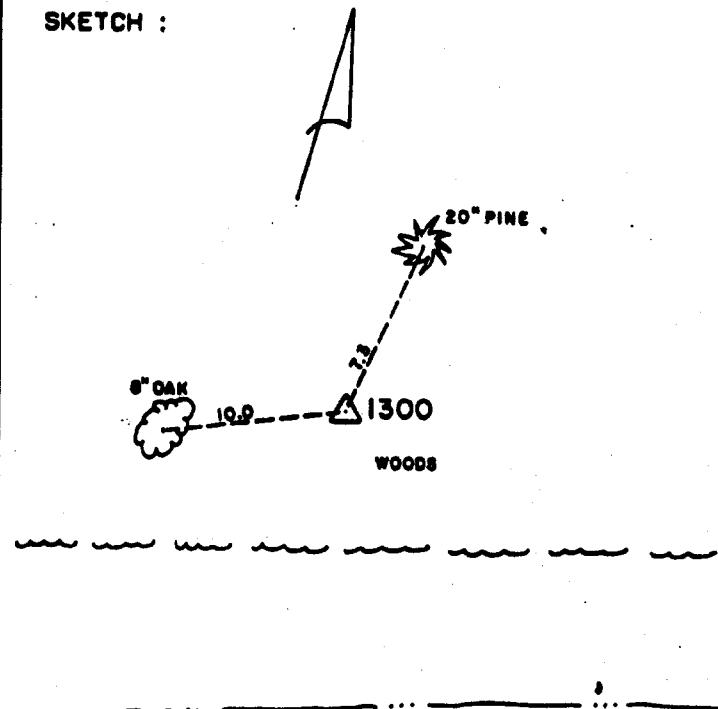
PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1300  
 STATE : SOUTH CAROLINA COUNTY : BEAUFORT EST. BY : SUR-TECH, INC.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : 0°04'44".5 SCALE FACTOR : 1.0001642  
 HORIZONTAL ORIGIN : \_\_\_\_\_ VERTICAL ORIGIN : \_\_\_\_\_  
 NORTHING : 29717.553 (M) EASTING : 623058.384 (M)  
 LATITUDE : 32°06'04".27731 LONGITUDE : 80°51'26".78205  
 ELEVATION (NGVD 29) 6.813 FEET M.S.L. DATE : FEB. 1988 - JUNE. 1988

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1320	047°46'03".77	N 47°41'19"E	694.041 (M)

DESCRIPTION :

LOCATED ON DAUFUSKIE IS. TO  
 REACH FROM SCCC-1340; FOLLOW  
 BCH. IN A WEST DIRECTION 4000'+  
 TO STA. ON RT.; 10.0' ENE OF  
 8" OAK; 7.3' SSE OF 20" PINE.  
 A STANDARD BRASS CAP FIXED ON 2"  
 PVC PIPE SET INSIDE 6" PVC PIPE  
 SURROUNDED BY CONC. 0.2' ABOVE  
 SURFACE OF GROUND.

SKETCH :



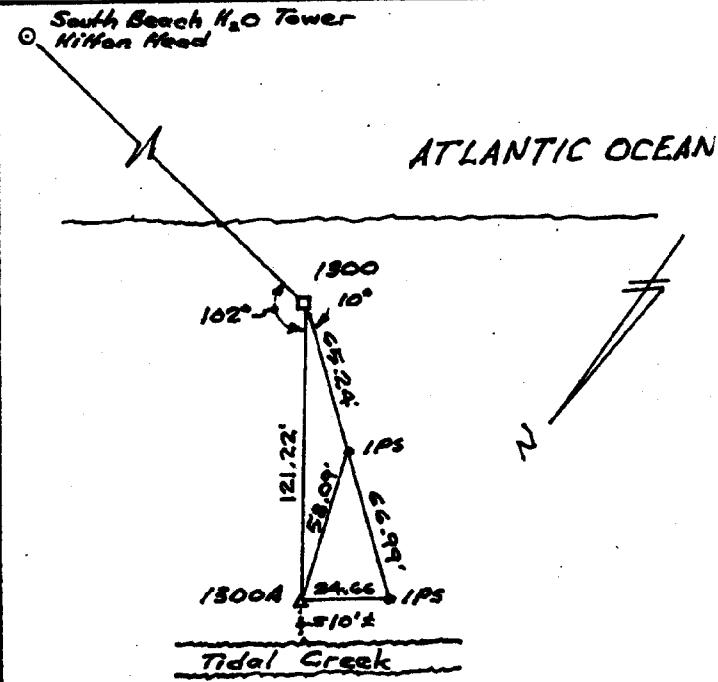
ATLANTIC OCEAN

**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1300A  
 STATE : South Carolina COUNTY : Beaufort EST. BY : Sea Island Engr.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : \_\_\_\_\_ SCALE FACTOR : \_\_\_\_\_  
 HORIZONTAL ORIGIN : 1300 VERTICAL ORIGIN : 1300  
 NORTHING : 29749.878 (M) EASTING : 623040.489 (M)  
 LATITUDE : \_\_\_\_\_ LONGITUDE : \_\_\_\_\_  
 ELEVATION (NGVD 29) Feet MSL (6.16) DATE : March 1989

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1300	331°-06'-35.3"	N 28°-58'-10"W	36.948 (M)

DESCRIPTION:  
 LOCATED ON DAUFUSKIE IS. TO  
 REACH FROM SCCC-1340: FOLLOW  
 BCH. IN A WEST DIRECTION 4000'+  
 TO STA. 1300 ON RT.: THENCE NNW  
 121' TO A STANDARD BRASS CAP FIXED  
 ON 2" PVC PIPE SET INSIDE 6" PVC PIPE  
 SURROUNDED BY CONC. 0.2' ABOVE  
 SURFACE OF GROUND.



OFFICE OF OCEAN & COASTAL RESOURCE MANAGEMENT

CONTROL SURVEYS

THIRD-ORDER, CLASS I HORIZONTAL     THIRD-ORDER VERTICAL

PROJECT: OCRM BEACH MONITORING BASELINE STATION NO: 1300 B

STATE: SOUTH CAROLINA COUNTY BEAUFORT

NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE: 0°04'43.7" SCALE FACTOR: 1.0001640

NORTHING: 97655.00 (FT) EASTING: 2044025.39 (FT)

LATITUDE: 32° 06' 05.827" LONGITUDE 80° 51' 28.284"

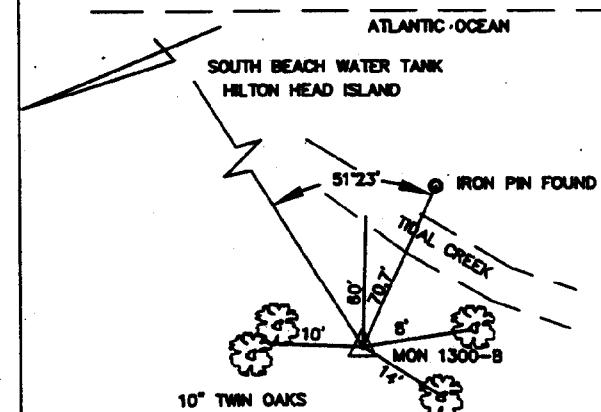
ELEVATION (NGVD 29) 6.25' DATE: NOVEMBER, 1998

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1320	52° 52' 44.7"	N 52° 48' 01" E	2277.26 (FT)
MON A	217° 51' 59.7"	S 37° 47' 16" W	2985.41 (FT)

**DESCRIPTION:**

LOCATED ON DAUFAUSKIE ISLAND. TO REACH FROM BEACH CITY ROAD FOLLOW BEACH IN NE DIRECTION  $\pm$  3500'. STATION IS ON THE LEFT IN THE WOODS 60' NORTHWEST OF THE TIDAL CREEK 10' SOUTH OF A 10" DOUBLE OAK TREE; 8' NORTHEAST OF A 12" PALM; A STANDARD BRASS CAP FIXED ON 2" PVC PIPE SET INSIDE OF 8" PVC PIPE SURROUNDED BY CONCRETE. AND LEVEL WITH THE GROUND SURFACE.

STAMPED 1380 B      1998



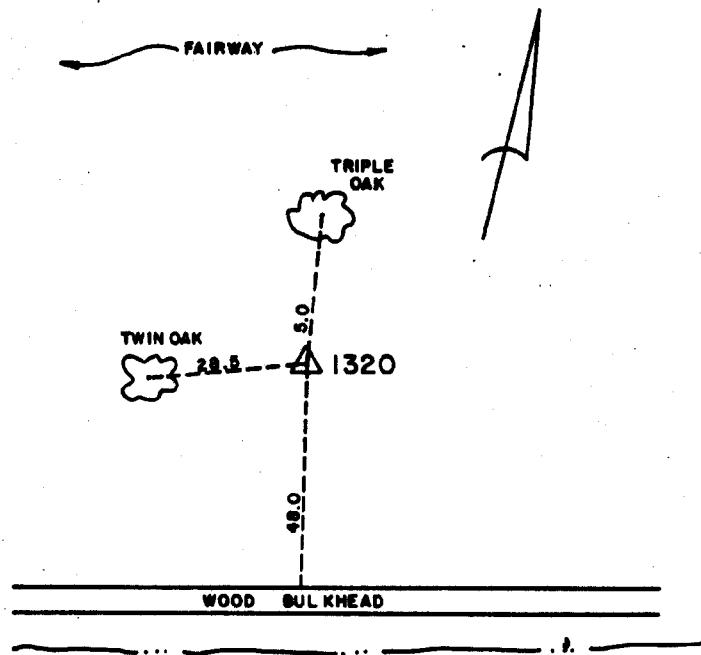
**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1320  
 STATE : SOUTH CAROLINA COUNTY : BEAUFORT EST. BY : SUR-TECH, INC.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : 0°04'55".4 SCALE FACTOR : 1.0001622  
 HORIZONTAL ORIGIN : \_\_\_\_\_ VERTICAL ORIGIN : \_\_\_\_\_  
 NORTHING : 30184.829 (M) EASTING : 623571.710 (M)  
 LATITUDE : 32°06'19".42154 LONGITUDE : 80°51'07".18152  
 ELEVATION (NGVD 29) 9.340 FEET M.S.L. DATE : FEB. 1988 - JUNE. 1988

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1340	038°01'16".34	N 37°56'21"E	600.753 (M)
1300	227°46'14".64	S 47°41'19"W	694.043 (M)

DESCRIPTION :  
 LOCATED ON DAUFUSKIE IS. TO  
 REACH FROM SCCC-1340; FOLLOW  
 BCH. IN A WEST DIRECTION 2000'+  
 TO STA. ON RT.: 28.5' NE OF  
 TWIN OAK; 5.0' SSE OF TRIPLE  
 OAK; 48.0' NNW OF WOOD BULKHEAD.  
 A STANDARD BRASS DISK FIXED ON  
 2" PVC PIPE SET INSIDE 6" PVC  
 PIPE SURROUNDED BY CONC. 0.1'  
 ABOVE SURFACE OF GROUND.

SKETCH :



ATLANTIC

OCEAN

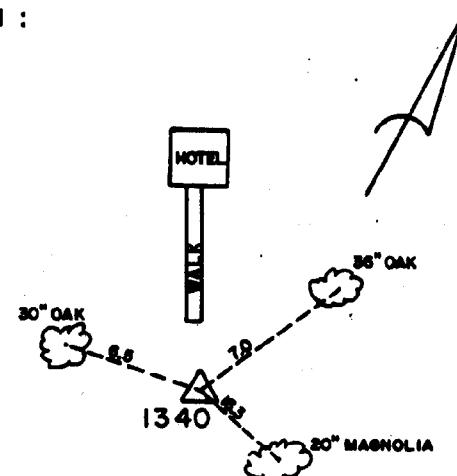
**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1340  
 STATE : SOUTH CAROLINA COUNTY : BEAUFORT EST. BY : SUR-TECH, INC.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : 0° 05' 03".2 SCALE FACTOR : 1.0001602  
 HORIZONTAL ORIGIN : \_\_\_\_\_ VERTICAL ORIGIN : \_\_\_\_\_  
 NORTHING : 30658.698 (M) EASTING : 623941.128 (M)  
 LATITUDE : 32° 06' 34".78579 LONGITUDE : 80° 50' 53".06705  
 ELEVATION (NGVD 29) 11.018 FEET M.S.L. DATE : FEB. 1988 - JUNE. 1988

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1360	022° 35' 03".28	N 22° 30' 00"E	628.581 (M)
1320	218° 01' 24".17	S 37° 56' 21"W	600.754 (M)

DESCRIPTION :  
 LOCATED ON DAUFUSKIE IS. IN  
 FRONT OF HOTEL. 6.5' EAST OF  
 30" OAK; 16.3' NW OF 20"  
 MAGNOLIA TREE; 7.0' SW OF 36"  
 OAK.  
 A STANDARD BRASS CAP FIXED  
 ON 2" PVC PIPE & SURROUNDED  
 BY CONC. SET LEVEL WITH GROUND.

SKETCH :



WOOD BULKHEAD

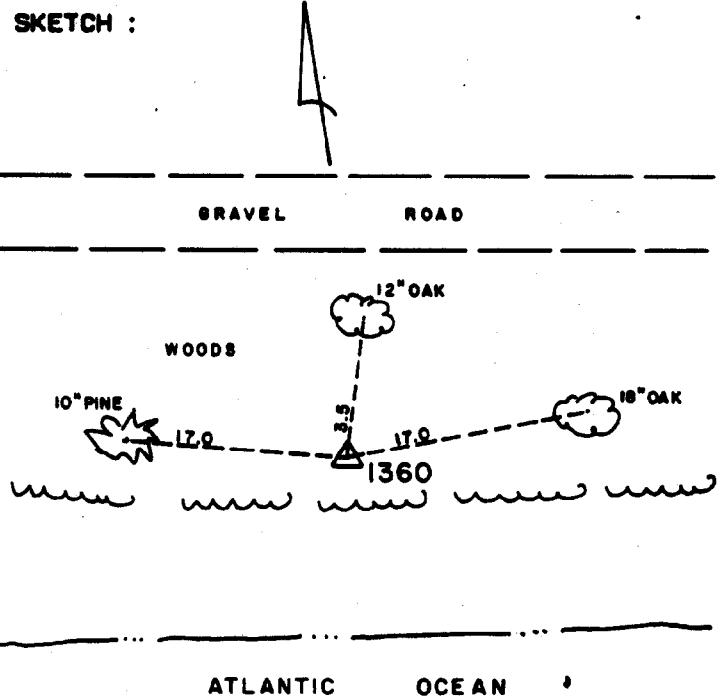
ATLANTIC OCEAN

**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1360  
 STATE : SOUTH CAROLINA COUNTY : BEAUFORT EST. BY : SUR-TECH, INC.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : 0° 05' 08".3 SCALE FACTOR : 1.001578  
 HORIZONTAL ORIGIN : \_\_\_\_\_ VERTICAL ORIGIN : \_\_\_\_\_  
 NORTHING : 31239.525 (M) EASTING : 624181.714 (M)  
 LATITUDE : 32° 06' 53" S 62770 LONGITUDE : 80° 50' 43" E 85862  
 ELEVATION (NGVD 29) 11.960 FEET M.S.L. DATE : FEB. 1988 - JUNE. 1988

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1380	039° 49' 37".23	N 39° 44' 29"E	621.642 (M)
1340	202° 35' 08".38	S 22° 30' 00"W	628.583 (M)

DESCRIPTION :  
 LOCATED ON DAUFUSKIE IS. TO REACH FROM SCCC-1340 IN FRONT OF HOTEL; FOLLOW BCH. IN NE DIRECTION 2000' ±. STA. IS ON LT. IN WOODS. 17.0' ENE OF A 10" PINE; 3.5' ESE OF 12" OAK; 17.0' WSW OF 18" OAK.  
 A STANDARD BRASS CAP FIXED ON 2" PVC PIPE SET INSIDE OF 6" PVC PIPE SURROUNDED BY CONC. 0.2' ABOVE SURFACE OF GROUND.



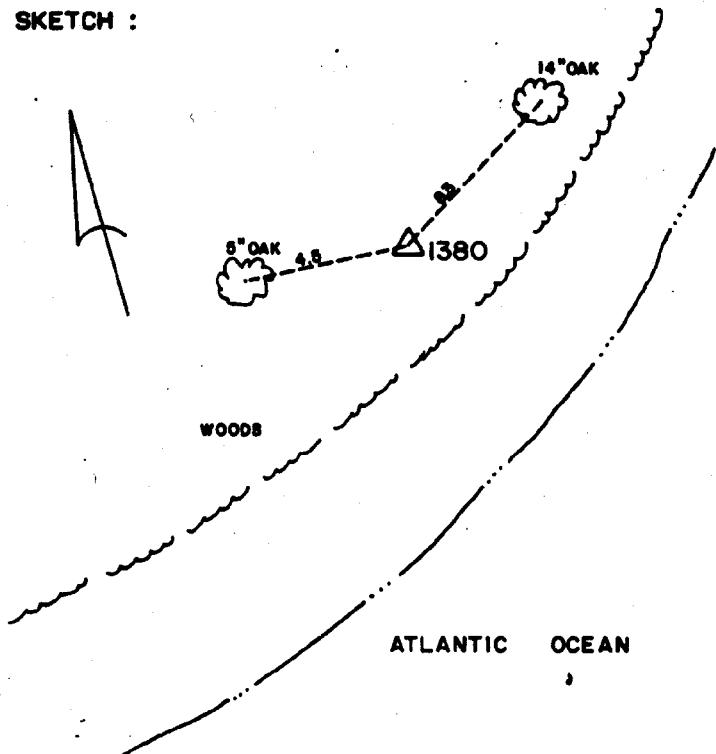
**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1380  
 STATE : SOUTH CAROLINA COUNTY : BEAUFORT EST. BY : SUR-TECH, INC.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : 0° 05' 16.7" SCALE FACTOR : 1.0001558  
 HORIZONTAL ORIGIN : \_\_\_\_\_ VERTICAL ORIGIN : \_\_\_\_\_  
 NORTHING : 31717.604 (M) EASTING : 624579.207 (M)  
 LATITUDE : 32° 07' 09.12652 LONGITUDE : 80° 50' 28.67041  
 ELEVATION (NGVD 29) 8.924 FEET M.S.L. DATE : FEB. 1988 - JUNE. 1988

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1390	028° 43' 43.61	N 28° 38' 27"E	201.082 (M)
1360	219° 49' 45.65	S 39° 44' 29"W	621.643 (M)

DESCRIPTION :  
 LOCATED ON DAUFUSKIE IS. TO  
 REACH FROM SCCC-1340 IN FRONT  
 OF HOTEL; FOLLOW BCH. IN NE  
 DIRECTION 4000'. STA. IS ON  
 LT. IN WOODS; 4.5' ESE OF 5"  
 OAK; B.3' WSW OF 14" OAK.  
 A STANDARD BRASS CAP FIXED ON 2"  
 PVC PIPE SET INSIDE OF 6" PVC PIPE  
 SURROUNDED BY CONC. 0.2' ABOVE  
 SURFACE OF GROUND.

SKETCH :



OFFICE OF OCEAN & COASTAL RESOURCE MANAGEMENT

CONTROL SURVEYS

THIRD-ORDER, CLASS I HORIZONTAL    THIRD-ORDER VERTICAL

PROJECT: OCRM BEACH MONITORING BASELINE STATION NO: 1380 A (R)

STATE: SOUTH CAROLINA COUNTY BEAUFORT

NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE: 0°05'16.3" SCALE FACTOR: 1.0001557

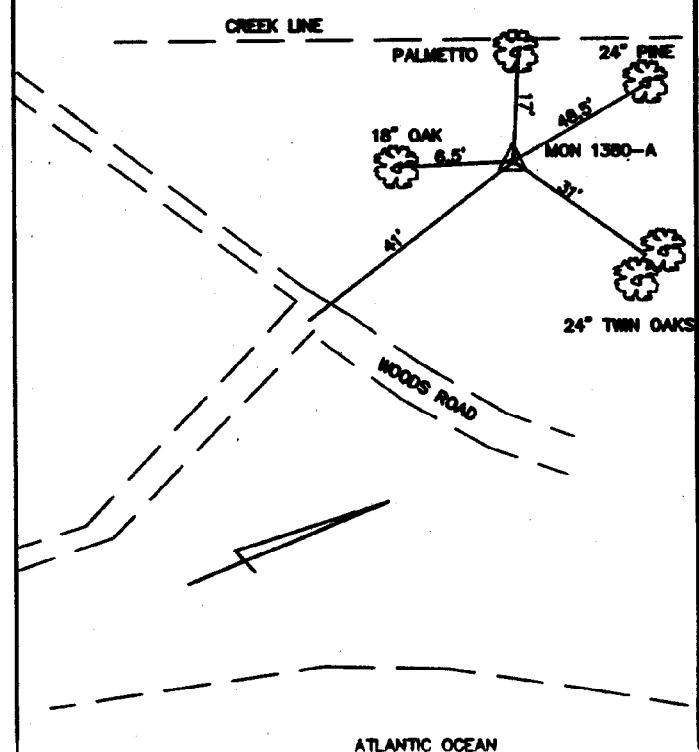
NORTHING: 104101.532 (FT) EASTING: 2049068.205 (FT)

LATITUDE: 32° 07' 09.53481" LONGITUDE 80° 50' 29.55524"

ELEVATION (NGVD 29) 6.35' DATE: JANUARY, 1997

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1390-A	29° 51' 06.3"	N 29° 45' 50" E	769.22 (FT)
1360	217° 25' 35.3"	S 37° 20' 19" W.	2024.23 (FT)

DESCRIPTION:  
LOCATED ON DAUFAUSKIE ISLAND. TO  
REACH FROM OCRM MON 1340 IN FRONT  
OF HOTEL: FOLLOW BEACH IN NE DIRECTION  
 $\pm 4000'$ . STATION IS ON THE LEFT IN  
THE WOODS: 41' NORTH OF THE INTERSECTION  
OF DIRT ROADS; 31' SW OF 24" DOUBLE OAK;  
48.5' SE OF 24" PINE.  
A STANDARD BRASS CAP FIXED ON 2"  
PVC PIPE SET INSIDE OF 6" PVC PIPE  
SURROUNDED BY CONCRETE AND PROTRUDING  
.3 ABOVE THE GROUND SURFACE.  
STAMPED 1380 A 1996



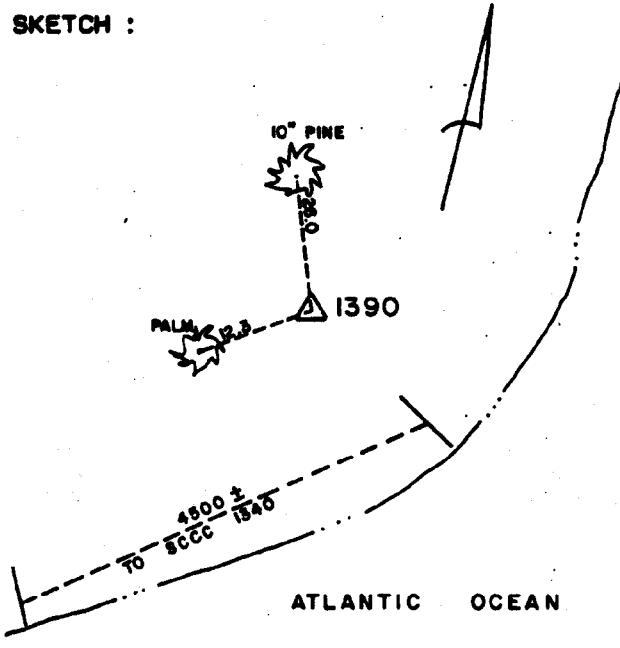
**SOUTH CAROLINA COASTAL COUNCIL**  
**CONTROL SURVEYS**  
**THIRD-ORDER, CLASS I HORIZONTAL - THIRD-ORDER VERTICAL**

PROJECT : SCCC BEACH MONITORING BASELINE STATION NO. : 1390  
 STATE : SOUTH CAROLINA COUNTY : BEAUFORT EST. BY : SUR-TECH, INC.  
 NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE : 0° 05' 18.8" SCALE FACTOR : 1.0001550  
 HORIZONTAL ORIGIN : \_\_\_\_\_ VERTICAL ORIGIN : \_\_\_\_\_  
 NORTHING : 31894.109 (M) EASTING : 624675.603 (M)  
 LATITUDE : 32° 07' 14.85103 LONGITUDE : 80° 50' 24.98330  
 ELEVATION (NGVD 29) 7.192 FEET M.S.L. DATE : FEB. 1988 - JUNE. 1988

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1400	124° 48' 08.25	S 55° 17' 11"E	1422.710 (M)
1390	208° 43' 45.65	S 28° 38' 27"W	201.082 (M)

DESCRIPTION :  
 LOCATED ON DAUFUSKIE IS. TO  
 REACH FROM SCCC-1340 IN FRONT  
 OF HOTEL; FOLLOW BCH. IN NE  
 DIRECTION 4500' ±. STA. IS ON  
 LT.: 26.0' SSE OF 10" PINE;  
 12.3' NE OF PALM TREE.  
 A STANDARD SCGS DISK SET IN  
 CONC. STAMPED "VERT. 7021 1981."

SKETCH :



# OFFICE OF OCEAN & COASTAL RESOURCE MANAGEMENT

## CONTROL SURVEYS

THIRD-ORDER CLASS I HORIZONTAL    THIRD-ORDER VERTICAL

PROJECT: OCRM BEACH MONITORING BASELINE STATION NO: 1390 A (R)

STATE: SOUTH CAROLINA COUNTY: BEAUFORT

NAD 83 - SINGLE ZONE SPC - MAPPING ANGLE: 0°05'18.7" SCALE FACTOR: 1.0001549

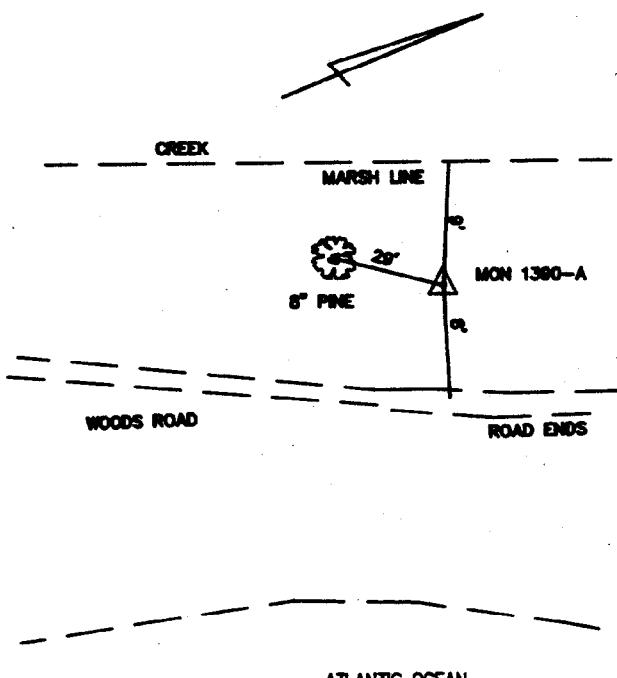
NORTHING: 104769.379 (FT) EASTING: 2049450.126 (FT)

LATITUDE: 32° 07' 16.13651" LONGITUDE 80° 50' 25.10321"

ELEVATION (NGVD 29) 6.16' DATE: JANUARY, 1997

OBJECT	GEODETIC AZIMUTH	GRID BEARING	HORIZONTAL DISTANCE
1380-A	209° 51' 08.7"	S 29° 45' 50" W	769.22 (FT)

DESCRIPTION:  
LOCATED ON DAUFAUSKIE ISLAND. TO  
REACH FROM OCRM MON 1340 IN FRONT  
OF HOTEL: FOLLOW BEACH IN NE DIRECTION  
± 4500'. STATION IS ON THE LEFT;  
8' NW OF THE DIRT ROAD; 9' SE OF THE MARSH  
LINE; 29' NE OF A 8" PINE.  
A STANDARD BRASS CAP FIXED ON 2"  
PVC PIPE SET INSIDE OF 6" PVC PIPE  
SURROUNDED BY CONCRETE AND PROTRUDING  
.3 ABOVE THE GROUND SURFACE.  
STAMPED 1390 A      1996



### **Appendix 3** **Long Term Shoreline Change Rates**

The long-term erosion rates for Daufuskie Island, expressed in feet per year, are listed below. There are no description sheets for the 1100 series of monuments. The erosion rate for properties in this area can be determined by measuring the distance between the baseline and the setback line, and dividing by 40.

Monument	Rate
1380	-0.7
1360	-5.2
1340	-9.0
1320	-11.1
1300	-10.1
1165	-5.0
1167	-4.2
1170	-4.2
1172	-3.7
1175	-3.8
1177	-4.0
1180	-4.2
1182	-4.8
1185	-5.8
1186	-6.2
1187	-7.1
1188	-7.6
1189	-8.4
1190	-7.8
1191	-6.6
1192	-6.2
1193	-5.7
1194	-5.0
1195	-4.3
1196	-3.1
1197	-1.4